These are the required Level I courses for each Special Degree Option in the FST.

### BSc in Actuarial Science (Special)

**SEMESTER I**
- COMP 1601 Comp Prog I (3 credits)
- ECON 1001 Intro to Microecon (3 credits)
- MATH 1142 Calculus I (3 credits)
- MATH 1192 Sets & Number Sys (1 credit)
- PLUS a Foundation course (FOUN 1101) (3 credits)

**SEMESTER II**
- ACCT 1002 Intro to Finan Acct (3 credits)
- COMP 1602 Camp Prog II (3 credits)
- ECON 1002 Intro to Macroeco (3 credits)
- MATH 1141 Intro to Linear Algebra & Analyt Geometry (3 credits)
- MATH 1151 Calculus II (3 credits)
- MATH 1194 (MATLAB) (1 credit)

### BSc in Biomedical Technology (Special)

**SEMESTER I**
- BMET 1004 Intro Human Anat & Phy I (3 credits)
- MATH 1115 (3 credits)
- PHYS 1221 Intro to Mech (3 credits)
- PHYS 1222 Intro to Optics, Oscil & Waves (3 credits)
- PLUS a Foundation course (FOUN 1101) (3 credits)

**SEMESTER II**
- BMET 1005 Intro to Human Anat & Phy II (3 credits)
- MATH 1125 (3 credits)
- PHYS 1223 Intro to Elec & Mag (3 credits)
- PHYS 1224 Intro to Thermo & Mod Phy (3 credits)
- PLUS one Foundation Course (3 credits)

### BSc in Chemistry & Management (Special)

**SEMESTER I**
- ACCT 1002 Intro to Finan Acct (3 credits)
- CHEM 1066 Intro to Chem I (3 credits)
- **CHEM 1070 Intro to Chem Lab**
- ECON 1001 Intro to Microecon (3 credits)
- ECON 1005 Intro to Stats (3 credits)
- PLUS a Foundation course (FOUN 1101) (3 credits)

**SEMESTER II**
- ACCT 1003 Intro to Cost & Mgmt Acct (3 credits)
- CHEM 1067 Intro to Chem II (3 credits)
- CHEM 1068 Intro to Chem III (3 credits)
- CHEM 1070 (3 credits)
- PLUS one Foundation Course (3 credits)

### BSc in Computer Science (Special)

**SEMESTER I**
- COMP 1600 Intro to Comp Concepts (3 credits)
- COMP 1601 Comp Prog I (3 credits)
- INFO 1600 Intro to Info Tech Concepts (3 credits)
- **MATH 1115 (3 credits)**
- PLUS a Foundation course (FOUN 1101) (3 credits)

**SEMESTER II**
- COMP 1602 Camp Prog II (3 credits)
- COMP 1603 Camp Prog III (3 credits)
- COMP 1604 Math for Computing (3 credits)
- INFO 1601 Intro to WWW Prog (3 credits)
- PLUS one Foundation Course (3 credits)

### BSc in Computer Science with Management (Special)

**SEMESTER I**
- ACCT 1003 Intro to Cost & Mgmt Acct (3 credits)
- COMP 1602 Camp Prog II (3 credits)
- COMP 1603 Camp Prog III (3 credits)
- ECON 1002 Intro to Microeco (3 credits)
- PLUS one Foundation Course (3 credits)

**SEMESTER II**
- ACCT 1003 Intro to Cost & Mgmt Acct (3 credits)
- COMP 1602 Camp Prog II (3 credits)
- COMP 1603 Camp Prog III (3 credits)
- ECON 1002 Intro to Microeco (3 credits)

### Foundation Courses (9 credits)

- MATH 1151 (Fundamental Math for the General Sciences I) or MATH 1125 (Fundamental Math for the General Sciences II).
- MATH 1115 (Fundamental Math for Computing). Where EXEMPTIONS WITHOUT CREDITS are granted, students must pursue alternative Level I courses.

*Students with passes in CAPE Pure Maths (Units I & II) or equivalent may apply for EXEMPTION WITHOUT CREDIT from MATH 1115 and MATH 1125. Where EXEMPTIONS WITHOUT CREDITS are granted, students must pursue alternative Level I courses.*

---

A full-time student must register for 12 to 15 credits per semester at Level I. Students reading the BSc Actuarial Science (Sp), BSc Mathematics (Sp) and Statistics & Economics (Sp), however, must register for 16 credits per semester.

A part-time student must register for 6 to 9 credits per semester.
The minimum Level I credit requirement varies depending on the programme of study. For further information, please see Table 3: Credit Requirement for the Various Degrees found in the Faculty Undergraduate Booklet.

Additional Level I Credits (Elective Courses)

Students requiring additional Level I credits may choose courses from the list below. Please note that this is not a comprehensive list, but rather an indication of the wide range of courses available from which to choose to make up Level I credits.

Additional courses may also be selected from the Faculty of Food & Agriculture, Faculty of Humanities & Education, Faculty of Social Sciences and the Centre for Language Learning.

SEMESTER I

**COMP 1011** - Intro. to Info Tech (3 credits)
**COMP 1012** - Intro. to Info Tech (3 credits)
GEND 1103 - Intro. to Women Studies (3 credits)
HUEC 1003 - Intro. to Nutrition (3 credits)
HUEC 1007 - Intro. to Textiles (3 credits)
VART 1001 - Visual Arts & Comm Studies (3 credits)
VART 1002 - Intro. to Prose Fiction (3 credits)
PHYS 1001 - Intro. to Astronomy (3 credits)
PSYC 1005 - Intro. to Psychology (3 credits)

Co-curricular Courses (COCR)

Visit the website [http://sta.uwi.edu/cocurricular/](http://sta.uwi.edu/cocurricular/) to choose a maximum of six (6) credits from the wide range of co-curricular courses available. **COCR 1030 – Technology Library**

**Not to be taken by students reading a degree programme in Computer Science or Information Technology.**

---

**FACULTY OF SCIENCE AND TECHNOLOGY (FST)**

Compulsory Level I Courses for FST Special Degree Options (cont’d)
These are the required Level I courses for each individual BSc degree in the FST.

**BSc in Biology**
- **SEMESTER I**
  - BIOL 1262 Living Org I (3 credits)
  - BIOL 1263 Living Org II (3 credits)
  - CHEM 1062 Basic Chem for Life Sci (3 credits)
  - MATH 1115 (3 credits)
  - FOUN 1101 (3 credits)

**SEMESTER II**
- BIOL 1362 Living Org I (3 credits)
- BIOL 1364 Genetics I (3 credits)
- CHEM 1067 Intro to Chem I (3 credits)
- CHEM 1068 Intro to Chem II (3 credits)
- MATH 1125 (3 credits)

Total: 12 - 15 credits

**BSc in Biochemistry**
- **SEMESTER I**
  - BIOL 1262 Living Org I (3 credits)
  - BIOL 1263 Living Org II (3 credits)
  - CHEM 1066 Intro to Chem I (3 credits)
  - MATH 1115 (3 credits)
  - FOUN 1101 (3 credits)

**SEMESTER II**
- BIOL 1362 Biochem I (3 credits)
- BIOL 1364 Genetics I (3 credits)
- CHEM 1067 Intro to Chem I (3 credits)
- CHEM 1068 Intro to Chem II (3 credits)
- MATH 1125 (3 credits)

Total: 12 - 15 credits

**BSc in Chemistry**
- **SEMESTER I**
  - CHEM 1066 Intro to Chem I (3 credits)
  - MATH 1115 (3 credits)
  - FOUN 1101 (3 credits)

**SEMESTER II**
- CHEM 1067 Intro to Chem I (3 credits)
- CHEM 1068 Intro to Chem II (3 credits)
- MATH 1125 (3 credits)

Total: 12 - 15 credits

**BSc in Computer Science**
- **SEMESTER I**
  - COMP 1600 Intro to Comp Concepts (3 credits)
  - COMP 1601 Comp Prog I (3 credits)
  - MATH 1142 Calculus I (3 credits)
  - FOUN 1101 (3 credits)

**SEMESTER II**
- COMP 1602 Comp Prog II (3 credits)
- COMP 1603 Comp Prog III (3 credits)
- MATH 1141 Intro to Linear Alg & Anal Geo (3 credits)
- PHYS 1223 Intro to Elec & Mag (3 credits)

Total: 12 - 15 credits

**BSc in Electronics**
- **SEMESTER I**
  - COMP 1601 Comp Prog I (3 credits)
  - MATH 1142 Calculus I (3 credits)
  - FOUN 1101 (3 credits)

**SEMESTER II**
- MATH 1141 Intro to Linear Alg & Anal Geo (3 credits)
- PHYS 1223 Intro to Elec & Mag (3 credits)

Total: 12 - 15 credits

**Foundation Courses (9 credits)**
- Compulsory for ALL FST Students

- **FOUN 1101** Civilisation (3 credits) - Sem I & II
- **FOUN 1301** Law, Gover, Econ & Society (3 credits) - Sem II
- **FOUN 1105** Science & Tech Writing (3 credits) - Sem II

Special conditions apply

In order to be eligible for the award of the BSc degree in FST, students must have a minimum of 24 Level I credits (at least 12 of which must be FST credits). Additional Level I credits may be taken from anywhere (See listing overleaf).
### BSc in Environmental Science

**SEMESTER I**
- ESST 1001 Bio for Env Sc (3 credits)
- ESST 1002 Chem for Env Sc (3 credits)
- MATH 1115 (3 credits)
- PLUS a Foundation course (FOUN 1101) (3 credits) and one additional Level I courses taken from anywhere (3 credits)

*Students with CAPE Pure Maths (Units I & II) are to read another Level I course in place of MATH 1115 taken from anywhere.

Total: 12 - 15 credits

**SEMESTER II**
- ESST 1000 Phys for Env Sc (3 credits)
- ESST 1006 Human Impact on the Env (3 credits)
- PLUS one Foundation Course (3 credits) and two additional Level I courses taken from anywhere (6 credits)

Total: 16 credits

### BSc in Information Technology

**SEMESTER I**
- COMP 1601 Comp Prog I (3 credits)
- INFO 1600 Intro to Info Tech Concepts (3 credits)
- PLUS a Foundation course (FOUN 1101) (3 credits) and two additional Level I courses taken from anywhere (6 credits)

**SEMESTER II**
- COMP 1602 Comp Prog II (3 credits)
- INFO 1601 Intro to WWW Prog (3 credits)
- PLUS one Foundation Course (3 credits) and two additional Level I courses taken from anywhere (6 credits)

Total: 10 credits

### BSc in Mathematics

**SEMESTER I**
- MATH 1142 Calculus I (3 credits)
- MATH 1152 Sets & No. Sys (3 credits)
- MATH 1194 (MATLAB) (1 credit)
- PLUS a Foundation course (FOUN 1101) (3 credits) and two additional Level I courses taken from anywhere (6 credits)

**SEMESTER II**
- MATH 1141 Intro to Lin Alge & Anal Geo (3 credits)
- MATH 1151 Calculus II (3 credits)
- PLUS one Foundation Course (3 credits) and two additional Level I courses taken from anywhere (6 credits)

Total: 16 credits

### BSc in Physics

**SEMESTER I**
- PHYS 1221 Intro to Mech (3 credits)
- PHYS 1222 Intro to Optics, Doll & Waves (3 credits)
- PLUS a Foundation course (FOUN 1101) (3 credits) and two additional Level I courses taken from anywhere (6 credits)

**SEMESTER II**
- PHYS 1223 Intro to Elec & Mag (3 credits)
- PHYS 1224 Intro to Thermo & Mod Phys (3 credits)
- PLUS one Foundation Course (3 credits) and two additional Level I courses taken from anywhere (6 credits)

Total: 16 credits

### Additional Level I Credits (Elective Courses)

Students requiring additional Level I credits may choose courses from the list below. Please note that this is not a comprehensive list, but rather an indication of the wide range of courses available from which to choose to make up Level I credits.

Additional courses may also be selected from the Faculty of Food & Agriculture, Faculty of Humanities & Education, Faculty of Social Sciences and the Centre for Language Learning.

**SEMESTER I**
- **COMP 1011** - Intro. to Info Tech (3 credits)
- **GEND 1103** - Intro. to Women Studies (3 credits)
- **PSYC 1001** - Intro. to Psychology (3 credits)

**SEMESTER II**
- **COMP 1011** - Intro. to Info Tech (3 credits)
- **GEND 1103** - Intro. to Women Studies (3 credits)
- **PSYC 1001** - Intro. to Psychology (3 credits)

Co-curricular Courses (CCCR)
- Visit the website [http://sta.uwi.edu/cocurricular/](http://sta.uwi.edu/cocurricular/) to choose a maximum of six (6) credits from the wide range of co-curricular courses available. **COCR 1030 - Technology Literacy**

**Not to be taken by students reading a degree programme in Computer Science or Information Technology.**
These are the required Level I courses for the popular FST combinations

**SEMESTER I**
- BIOL 1262 Living Org I (3 credits)
  - BIOL 1263 Living Org II (3 credits)
  - CHEM 1066 Intro to Chem I (3 credits)
  - **MATH 1115 (3 credits)**
  - PLUS a Foundation course (FOUN 1101) (3 credits)
- CHEM 1067 Intro to Chem II (3 credits)
  - CHEM 1070 Intro to Chem III (3 credits)
- PHYS 1221 Intro to Mech (3 credits)
- PHYS 1222 Intro to Optics, Oscil & Waves (3 credits)
- **CHEM 1070 (Yearlong)**
- **MATH 1152 Sets & Number Sys (3 credits)**
- PLUS a Foundation course (FOUN 1101) (3 credits)
- PLUS a Foundation course (FOUN 1101) (3 credits)

**SEMESTER II**
- BIOL 1262 Biochem I (3 credits)
  - BIOL 1364 Genetics I (3 credits)
  - CHEM 1067 Intro to Chem II (3 credits)
  - CHEM 1070 Intro to Chem Lab (3 credits)
  - PHYS 1223 Intro to Elec & Mag (3 credits)
  - PHYS 1224 Intro to Thermo & Med Phys (3 credits)

**SEMESTER I**
- CHEM 1066 Intro to Chem I (3 credits)
- CHEM 1067 Intro to Chem II (3 credits)
- CHEM 1070 Intro to Chem III (3 credits)
- **MATH 1141 Intro to Lin Algebra & Anal Geometry (3 credits)**
- **MATH 1151 Calculus II (3 credits)**

**SEMESTER II**
- CHEM 1066 Intro to Chem IV (3 credits)
- CHEM 1067 Intro to Chem V (3 credits)
- CHEM 1070 Intro to Chem Lab (3 credits)
- MATH 1141 Intro to Lin Algebra & Anal Geometry (3 credits)
- **MATH 1151 Calculus II (3 credits)**

*Students with passes in CAPE Pure Maths (Units I & II) or equivalent may apply for EXEMPTION WITHOUT CREDIT from MATH 1115 (Fundamental Math for the General Sciences I) or MATH 1125 (Fundamental Math for the General Sciences II). Where EXEMPTIONS WITHOUT CREDITS are granted, students must pursue alternative Level I courses.

A full-time student must register for 12 to 15 credits per semester at Level I.

A part-time student must register for 6 to 9 credits per semester.
Additional Level I credits (Elective Courses)

Students requiring additional Level I credits may choose courses from the list below. Please note that this is not a comprehensive list, but rather an indication of the wide range of courses available from which to choose to make up Level I credits. Additional courses may also be selected from the Faculty of Food & Agriculture, Faculty of Humanities & Education, Faculty of Social Sciences and the Centre for Language Learning.

**SEMESTER I**
**COMP 1011**
**SEMESTER II**
**COMP 1601**
**PHYS 1222**

**SEMESTER I**
**PHYS 1222 Intro to Elec & Mag (3 credits)**
**PHYS 1224 Intro to Thermo & Mod Phys (3 credits)**
**PHYS 1221 Intro to Mech (3 credits)**
**PHYS 1141 Intro to Lin Alg & Anal Geometry (3 credits)**
**PHYS 1142 Calculus II (3 credits)**
**PHYS 1141 Intro to Thermo & Mod Phys (3 credits)**

**SEMESTER II**
**PHYS 1142 Calculus II (3 credits)**
**PHYS 1224 Intro to Thermo & Mod Phys (3 credits)**
**PHYS 1222 Intro to Optics, Osc & Waves (3 credits)**

**SEMESTER I**
**PHYS 1221 Intro to Mech (3 credits)**
**MATH 1152 Sets & Numbr Sys (3 credits)**
**MATH 1194 (MATLAB) (1 credit)**
**SEMESTER II**
**MATH 1141 Intro to Lin Alg & Anal Geometry (3 credits)**
**MATH 1151 Calculus II (3 credits)**
**PHYS 1223 Intro to Elec & Mag (3 credits)**
**PHYS 1224 Intro to Thermo & Mod Phys (3 credits)**

**BSc in Biotechnology**

**SEMESTER I**
**BIOB 1262 Living Org I (3 credits)**
**BIOB 1263 Living Org II (3 credits)**
**ESST 1002 Chem for Envc Sc (3 credits)**
**MATH 1115 (3 credits)**
**SEMESTER II**
**ESST 1000 Phys for Env Sc (3 credits)**
**ESST 1006 Human Impact on the Env (3 credits)**
**BIOB 1362 Biochem I (3 credits)**
**BIOB 1364 Genetics I (3 credits)**
**PLUS a Foundation course (3 credits)**

**BSc in Biotechnology and Environmental Science**

**SEMESTER I**
**BIOB 1262 Living Org I (3 credits)**
**BIOB 1263 Living Org II (3 credits)**
**CHEM 1066 Intro to Chem iv (3 credits)**
**SEMESTER II**
**ESST 1006 Human Impact on the Env (3 credits)**
**ESST 1000 Phys for Env Sc (3 credits)**
**BIOB 1362 Biochem I (3 credits)**
**BIOB 1364 Genetics I (3 credits)**

**BSc in Biochemistry and Environmental Science**

**SEMESTER I**
**BIOB 1262 Living Org I (3 credits)**
**BIOB 1263 Living Org II (3 credits)**
**CHEM 1066 Intro to Chem iv (3 credits)**
**SEMESTER II**
**ESST 1000 Phys for Env Sc (3 credits)**
**ESST 1006 Human Impact on the Env (3 credits)**
**BIOB 1362 Biochem I (3 credits)**
**BIOB 1364 Genetics I (3 credits)**

**BSc in Chemistry and Environmental Science**

**SEMESTER I**
**BIOB 1262 Living Org I (3 credits)**
**BIOB 1263 Living Org II (3 credits)**
**CHEM 1066 Intro to Chem iv (3 credits)**
**CHEM 1067 Intro to Chem lab (3 credits)**

**BSc in Chemistry and Electronics**

**SEMESTER I**
**BIOL 1263 Living Org II (3 credits)**
**CHEM 1066 Intro to Chem iv (3 credits)**
**SEMESTER II**
**ESST 1006 Human Impact on the Env (3 credits)**
**BIOB 1362 Biochem I (3 credits)**
**BIOB 1364 Genetics I (3 credits)**

**BSc in Engineering Science**

**SEMESTER I**
**BIOB 1262 Living Org I (3 credits)**
**BIOB 1263 Living Org II (3 credits)**
**CHEM 1066 Intro to Chem iv (3 credits)**
**SEMESTER II**
**ESST 1006 Human Impact on the Env (3 credits)**
**BIOB 1362 Biochem I (3 credits)**
**BIOB 1364 Genetics I (3 credits)**

**BSc in Environmental Science**

**SEMESTER I**
**BIOB 1262 Living Org I (3 credits)**
**BIOB 1263 Living Org II (3 credits)**
**CHEM 1066 Intro to Chem iv (3 credits)**
**CHEM 1067 Intro to Chem lab (3 credits)**

**BSc in Mathematics and Physics**

**SEMESTER I**
**MATH 1142 Calculus I (3 credits)**
**MATH 1152 Sets & Numbr Sys (3 credits)**
**MATH 1194 (MATLAB) (1 credit)**

**SEMESTER II**
**MATH 1141 Intro to Lin Alg & Anal Geometry (3 credits)**
**MATH 1151 Calculus II (3 credits)**
**PHYS 1223 Intro to Elec & Mag (3 credits)**

In order to be eligible for the award of the BSc degree in FST, students must have a minimum of 24 Level I credits (at least 12 of which must be FST credits). Additional Level I credits may be taken from anywhere.